

# Mobile Networking Explained

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## COURSE AIM:

This course will allow attendees to gain a solid understanding of current mobile voice and data technologies. It will position GSM, GPRS, 3G, HSDPA, CDMA, EV-DO, Wi-Fi and Wi-Max in the New Zealand mobile market, providing attendees with an understanding of what each technology does, the applications it enables and the benefits that its use could bring.

## COURSE OBJECTIVES:

- To clarify the language surrounding mobile networking
- To explain the associated technologies in simple terms
- To look at the applications enabled by these technologies

## COURSE DESCRIPTION:

The growing demand for mobile communications in New Zealand has widely exceeded the expectations of the past and has also changed the requirements for future networks. Wireless access is challenging the fixed world whilst applications are becoming more demanding of network performance. This seminar provides an overview of the different Mobile access technologies available today, and explores how mobile working could shape our future.

## FORMAT:

1-day, interactive classroom based  
Maximum attendees: 15 per course

## CONTENT:

- An introduction to wireless networks (simplifying the language)
- Mobile Working – a complementary alternative to the office
- PSTN, ISDN & A-DSL – advantages and limitations
- GSM, CDMA & 3G Voice access
- GPRS, EDGE, EV-DO, 3G & HSDPA Data access
- Remote WWW, VPN & e-mail access
- Converged Communications
- Voice over IP
- Wi-Fi and 802.11
- Wi-Max
- New ways of working
- Bringing it all together